

1 **ABSTRACT OF THE DISCLOSURE**

2 A actuating rod in a diaphragm pump has permanent magnets, a base with
3 openings and positioning holes defined along a contour of each of the openings, caps
4 each having a retaining opening defined to correspond to one of the openings, a flange
5 formed on an inner side face defining the retaining opening to support a corresponding
6 one of the permanent magnets and claws extending out along a contour of the cap to
7 correspond to the positioning holes of the base. After the permanent magnets are
8 supported by the flanges of the caps and extension of the claws into the corresponding
9 positioning holes of the base, the permanent magnets are securely sandwiched between
10 the base and the caps such that air pressure induced by movement of the diaphragm in
11 the diaphragm pump is strong and the pumping speed is high..